



HIGH MILEAGE MOTOR OIL

Sinclair High Mileage Motor Oil is a premium quality multi-grade Motor Oil designed to provide superior all season protection for gasoline engines and to maximize engine life. Higher mileage engines perform differently than newer engines. They lose compression, have worn rings, valves do not seat tightly and gaskets become brittle and leak. This contributes to increased oil consumption, decreased engine performance and reduced gas mileage. Sinclair High Mileage Motor Oil contains seal conditioners to help prevent leaks while still meeting or exceeding most U.S. and import automobile manufacturers' warranty requirements for gasoline engines. Sinclair High Mileage Motor Oils carry the ILSAC GF-5 Certification Mark that meets the API Resource Conserving requirements.



APPLICATIONS

- Where API Performance Category SN, SM, SL, SJ, SH, SG, SF, SE or SD oils are recommended.
- In passenger car engines that require oils showing the ILSAC GF-5 Certification Mark
- In all turbocharged gasoline engines.
- In larger gasoline engines used in severe service, such as towing trailers, campers, etc.
- In older gasoline powered passenger car engines.

Sinclair High Mileage Motor Oil is licensed by the API for the SN Classification under the new CMA Code of Practice. This classification assures only the highest quality.

PERFORMANCE

- Provides fast starting and quick oil pump ability.
- Formulated with additional cleaning agents that help reduce deposit formation to keep engine cleaner to restore lost horsepower.
- Guards against excessive wear especially in sensitive areas of the valve
- Contains a unique seal conditioning agent to preserve the elasticity of engine seals to prevent leaks
- Premium base oils and additives reduce consumption and resist thermal breakdown
- Reduces deposits in hot sections of the engine to prevent ring sticking and loss of power
- Safe for use in new and rebuilt engines
- Will not void new car warranties

Sinclair High Mileage Motor Oil Meets
SN, SM, and SL, ILSAC GF-5



HIGH MILEAGE MOTOR OIL

TYPICAL PHYSICAL PROPERTIES

Viscosity Grade	METHOD	TYPICAL RESULTS	
		High Mileage 5W-20	High Mileage 10W-30
Gravity, °API	ASTM D287	32.33	32.37
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8637	0.8635
Viscosity @ 40°C cSt	ASTM D445	51.33	64.78
Viscosity @ 100°C cSt	ASTM D445	8.738	10.08
Viscosity Index	ASTM D2270	149	141
High Temperature / High Shear Vis at 100°C, cP	ASTM D6616	6.01	7.04
High Temperature / High Shear Vis at 150°C, cP	ASTM D4683	2.72	3.06
Noack Volatility, % loss	ASTM D5800	14.7	13.5
Color	ASTM D1500	3	3
Zinc, wt. %	ASTM D5185	0.085	0.085
Phosphorus, wt. %	ASTM D5185	0.077	0.077
Calcium, wt. %	ASTM D5185	0.19	0.19
Sulfur, wt. %	ASTM D4951	0.3	0.3
Boron, wt. %	ASTM D5185	0.018	0.018
Molybdenum, wt. %	ASTM D5185	0.004	0.004
Sulfated Ash, wt. %	ASTM D874	0.92	0.92
Nitrogen, wt. %	ASTM D4629	0.084	0.084
Pumping Viscosity at (°C), cP	ASTM D4684	23,600 (-35)	16,800 (-30)
Shear Stability	ASTM D6278	7.31	8.5
Foam Seq. I (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
Foam Seq. III (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
High Temperature Foaming, static foam	ASTM D6082 (Opt A)	30/0	20/0
Copper Strip Corrosion (3 hrs@100°C)	ASTM D130	0	0
TBN, mgKOH/g	ASTM D2896	7	7

Description	Pack Size	Part #	Each UPC	Case UPC	Case Dimensions	Case Cube / Pallet Cube	Case Weight / Pallet Weight	Pallet Stack
High Mileage Motor Oil 5W-20	330 Gallon	509-002	N/A	N/A	L 48.000 x W 48.000 x H 49.000	65.333 / 65.333	2583.520	1 Tote
High Mileage Motor Oil 10W-30	6/1 Quart	508-006	0 14168-01722 0	0 14168-01765 7	L 9.500 x W 7.625 x H 9.625	0.403 / 68.194	12.480 / 1947.200	156 Cases (6 layers of 26)
High Mileage Motor Oil 10W-30	330 Gallon	508-002	N/A	N/A	L 48.000 x W 48.000 x H 49.000	65.333 / 65.333	2558.440	1 Tote

